



PATENT

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## THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT(S): Eng-Whatt Toh, Kok-Khuan Fong, Raj Maharjan Madhav, and  
Kok-Hoon Teo

APPLICATION NO.: 09/981,588

FILING DATE: October 16, 2001

TITLE: Universal Signature Object for Digital Data

EXAMINER: Unknown

GROUP ART UNIT: 2131

ATTY. DKT. NO.: 20735-05504

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## CERTIFICATE OF MAILING

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Dated: 11 June 2002

By: Bradley D. Baugh  
Bradley D. Baugh, Reg. No.: 50,368COMMISSIONER FOR PATENTS  
WASHINGTON, DC. 20231

## SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Under 37 CFR §§ 1.56 and 1.97-98

SIR:

Pursuant to the provisions of 37 CFR §§ 1.56 and 1.97-98, enclosed herewith is modified form PTO-1449 listing references for consideration by the Examiner. Enclosed is a copy of each listed reference that may be material to the examination of this application, and for which there may be a duty to disclose.

The filing of this Information Disclosure Statement shall not be construed as a representation regarding the completeness of the list of references, or that inclusion of a reference in this list is an admission that it is prior art or is pertinent to this application, or that a search has been made, or as an admission that the information listed is, or may be considered to be, material to patentability, or that no other material information exists, and shall not be construed as an admission against interest in any manner.

This Information Disclosure Statement is being filed:

- ☒ within three months of the filing date of the application, or date of entry into the national stage of an international application, or before the mailing date of a first office action on the merits, whichever event last occurred;

- ☐ before the mailing of a first official action after the filing of a request for continued examination (RCE) under 37 CFR § 1.114;
- ☐ after three months of the filing date of this national application or the date of entry of the national stage in an international application, or after the mailing date of the first official action on the merits, whichever event last occurred, but before the mailing date of the first to occur of either: (1) a final action under 37 CFR § 1.113; or (2) an action that otherwise closes prosecution in the application, and:
  - ☐ attached hereto is the fee set forth under 37 CFR § 1.17(p) for submission of this Information Disclosure Statement under 37 CFR § 1.97(c); OR
  - ☐ Applicant certifies pursuant to 37 CFR § 1.97(e) that:
    - ☐ each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement; OR
    - ☐ no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing this certification after making reasonable inquiry, no item of information contained in this Statement was known to any individual designated under 37 CFR § 1.56(c) more than three months prior to the filing of this Statement;
- ☐ before the payment of the issue fee but after the mailing date of the first to occur of either: (1) a final action under 37 CFR § 1.113; or (2) an action that otherwise closes prosecution in the application, and:
  - ☐ Applicant certifies pursuant to 37 CFR § 1.97(e) that:
    - ☐ each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement; or
    - ☐ no item of information contained in this Information Disclosure Statement was cited in a communication from a

foreign patent office in a counterpart foreign application and, to the knowledge of the person signing this certification after making reasonable inquiry, no item of information contained in this Statement was known to any individual designated under 37 CFR § 1.56(c) more than three months prior to the filing of this Statement; AND

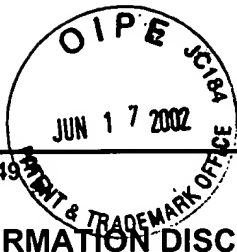
- ☐ attached hereto is the fee set forth under 37 CFR §1.17(p) for submission of this Information Disclosure Statement under 37 CFR. § 1.97(c); OR
- ☐ after the payment of the issue fee. Applicant request that the information contained in this Information Disclosure Statement be placed in the file according to 37 CFR § 1.97(i), although the information may not be considered by the USPTO.
- ☐ This application relies, under 35 U.S.C. § 120, on the earlier filing date of prior application No. [APPLICATION NUMBER], filed on [FILING DATE], and the references cited therein are hereby referenced, but are not required to be provided in this application under 37 CFR § 1.98(d).
- ☐ Each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application, and the communication was not received by any individual designated in 37 CFR § 1.56(c) more than thirty days prior to the filing of this Information Disclosure Statement. 37 CFR § 1.704(d).
- ☒ Applicant submits that no fee is required for the consideration of this Information Disclosure Statement.

Consideration of the listed references and favorable action are solicited.

Respectfully submitted,  
ENG-WHATT TOH, et al.

Dated: 11 June 2002

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Sheet 1 of 4

FORM PTO-1449  
(REV. 6-89)U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

Attorney's Docket No.

20735-05504

Serial No.

09/981,588

**INFORMATION DISCLOSURE CITATION**

(Use several sheets if necessary)

Applicant

Eng-Whatt Toh, et al.

Filing Date

10/16/01

Group Art Unit

2131

**U.S. PATENT DOCUMENTS**

Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	A	4,713,780	12/15/87	Schultz et al.	364	514	
	B	4,754,428	6/28/88	Schultz et al.	364	900	
	C	4,816,655	3/28/89	Musyck et al.	235	380	
	D	4,868,877	9/19/89	Fischer	380	25	
	E	5,157,726	10/20/92	Merkle et al.	380	23	
	F	5,210,869	5/11/93	Williams	395	600	
	G	5,241,599	8/31/93	Bellovin et al.	380	21	
	H	5,261,002	11/9/93	Perlman et al.	380	30	
	I	5,283,887	2/1/94	Zachery	395	500	
	J	5,293,250	3/8/94	Okumura et al.	358	402	
	K	5,315,635	5/24/94	Kane et al.	379	57	
	L	5,396,537	3/7/95	Schwendeman	379	57	
	M	5,398,285	3/14/95	Borgelt et al.	380	30	
	N	5,424,724	6/13/95	Williams et al.	340	825.05	
	O	5,432,785	6/11/95	Ahmed et al.	370	60.1	

**FOREIGN PATENT DOCUMENTS**

		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No

**OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Pages, Etc.)


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EXAMINER

DATE CONSIDERED

EXAMINER: Initial if references considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered.

Include copy of this form with next communication to applicant.



Sheet 2 of 4

FORM PTO-1449  
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Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	P	5,436,972	7/25/95	Fischer	380	25	
	Q	5,544,152	8/6/96	Obermanns et al.	370	16	
	R	5,557,346	9/17/96	Lipner et al.	380	21	
	S	5,557,765	9/17/96	Lipner et al.	380	21	
	T	5,581,615	12/3/96	Stern	380	25	
	U	5,633,929	5/27/97	Kaliski, Jr.	380	23	
	V	5,638,446	6/10/97	Rubin	380	25	
	W	5,671,285	9/23/97	Newman	380	30	
	X	5,689,565	11/18/97	Spies et al.	380	25	
	Y	5,734,651	3/31/98	Blakeley et al.	370	392	
	Z	5,745,573	4/28/98	Lipner et al.	380	21	
	AA	5,751,813	5/12/98	Dorenbos	380	49	
	BB	5,751,814	5/12/98	Kafri	380	49	
	CC	5,764,918	6/9/98	Poulter	395	200.66	
	DD	5,768,271	6/16/98	Seid et al.	370	389	

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		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No

**OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Pages, Etc.)


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PTO-1449  
REV: 02/01

20735/05504/DOCS/1274656.1

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Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	EE	5,790,790	8/4/98	Smith et al.	395	200.36	
	FF	5,799,086	8/25/98	Sudia	380	23	
	GG	5,802,286	9/1/98	Dere et al.	395	200.5	
	HH	5,812,669	9/22/98	Jenkins	380	25	
	II	5,832,218	11/3/98	Gibbs et al.	395	200.33	
	JJ	5,841,865	11/24/98	Sudia	380	21	
	KK	5,845,074	12/1/98	Kobata	395	200.49	
	LL	5,850,519	12/15/98	Vazana	395	200.36	
	MM	5,850,451	12/15/98	Sudia	380	49	
	NN	5,864,667	1/26/99	Barkan	395	187.01	
	OO	5,956,406	9/21/99	Maldy	380	30	
	PP	6,009,173	12/28/99	Sumner	380	21	
	QQ	6,055,575	4/25/00	Paulsen et al.	709	229	
	RR	6,061,448	5/9/00	Smith et al.	380	21	
	SS	6,079,020	6/20/00	Liu	713	201	

**FOREIGN PATENT DOCUMENTS**

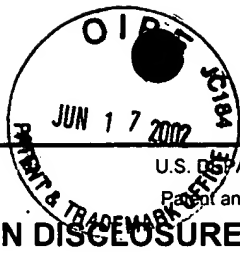
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Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	TT	6,092,113	7/18/00	Maeshima et al.	709	230	
	UU	6,092,200	7/18/00	Muniyappa et al.	713	201	
	VV	6,119,137	9/12/00	Smith et al.	707	523	
	WW	6,173,399	1/9/01	Gilbrech	713	153	
	XX	6,226,748	5/1/01	Bots et al.	713	201	

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**FOREIGN PATENT DOCUMENTS**

		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
	YY	WO98/57464	17.12.98	PCT				
	ZZ	WO/9857465	17.12.98	PCT				
	AAA	WO99/00958	07.01.99	PCT				
	BBB	EP869652A2	07.10.98	Europe				

**OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Pages, Etc.)

	CCC	Ellison, Carl, Schneier, Bruce, "Ten Risks of PKI: What You're not Being Told about Public Key Infrastructure", Computer Security Journal, Vol. XVI, No. 1 (2000), pages 1-7.
	DDD	Introduction to SSL [online]. Netscape Communications Corporation (Last updated 10/09/98) [retrieved on 10/24/2000]. Copyright 1998. Retrieved from the Internet <URL: <a href="http://developer.netscape.com/docs/manuals/security/ssl/contents.htm">http://developer.netscape.com/docs/manuals/security/ssl/contents.htm</a> . Pages 1-11.
	EEE	Introduction to Public-Key Cryptography [online]. Netscape Communications Corporation [retrieved on 10/24/2000]. Retrieved from the Internet <URL: <a href="http://developer.netscape.com/docs/manuals/security/pkin/contents.htm">http://developer.netscape.com/docs/manuals/security/pkin/contents.htm</a> . Pages 1-19.

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Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

<b>TRANSMITTAL FORM</b> <i>(to be used for all correspondence during pendency of filed application)</i>	0001/PTO Rev. 10/95	U.S. Department of Commerce Patent and Trademark Office	Application Number	09/981,588
			Filing Date	October 16, 2001
			First Named Inventor	Eng-Whatt Toh
			Group Art Unit Number	2131
			Examiner Name	Unknown
Total Number of Pages in This Submission		8**	Attorney Docket Number	20735-05504

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Typed or Printed Name:	Bradley D. Baugh	Dated:	11 June 2002
Express Mail Mailing Number (optional):			